INTERNATIONALSEARCHREPORT

International application No.

PCT/JP2004/013595

A. CLASSIFICATIONOF SUBJECT MATTER			
Int.Cl ⁷ H02K7/04			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) Int.Cl7 H02K7/00-7/20			
Int,Cl ⁷ H02K7/00-7/20			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2004, Japanese Registered Utility Model Gazette 1994-2004, Japanese Gazette Containing the Utility Model 1996-2004			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
x	JP 8-336257 A (KOPAL CORP.)		1,2,9,10,12
Y	1996.12.17, FIG.1-2 (family:none)		11,13,14
	JP 6-46224 Y (YAMAMOTO DENKI CORP.)		1,2,9,10,12
X Y	1994.11.24, FIG.2 (family:none)		11,13,14
Y .	JP 5-95178 U(HIDEAKI OOHIRA) 1993.12.24,FIG.1-4(family:none)		9,10
•	1993.12.24,F1G.1-4(Lamily.1	lone	
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Further documents are listed in the continuation of Box C. See patent family annex.			
* Special categories of cited documents: "T" later document published after the international filing date of the art which is not considered to be of particular relevance "T" later document published after the international filing date of priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention			the application but cited to
"E" earlier application or patent but published on or after the inter- "X" document of particul ar relevance; the claimed invention canno national filing date "E" document of particul ar relevance; the claimed invention cannot be considered to involve as the considered to inv			considered to involve an
"L" document which may throw doubts on priority claim(s) or which inventive step when the document is taken alone is cited to establish the publication date of another citation or other "Y" document of particul ar relevance; the claimed inventive step when the document is taken alone inventive step when the document is taken alone.		e claimed invention cannot	
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art			e step when the document is er such documents, such
"P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed			
		Date of mailing of the international search report	
09.12.2004		28.12.200)4
Name and mailing address of the ISA/JP		Authorized officer	3V 8009
Japan Patent Office		TAKAYUKI SENBA	[3,1 3,03
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Telephone No. +81-3-3 581-1101 E	Ext. 33.56